

12/19/00 10:25 FAX 403 266 6032
 DEC-19-2000 08:57 PM
 PARAMOUNT RES. FLR 39
 P.U.J
 004/013

Paramount Resources Ltd
 I-02

FieldNotes

Field Measurements

Para et al Mount Co.
 Formation: Mattson Sand.
 Job Number: 328

	Date	Clock Time	Tubing C Choke1	Tubing Pres	Casing Temp	Static Pres	Diff1 Pres	Meter Temp	Gas1 Rate	Cum. Gas1	Measured Fld1 Vol	Calc Inc Fld1 Gal	Calc Inc Oil1 Gain	Cum. Oil1	Calc Inc BSW1 G	BSW1 Water
	yyyy/mm/dd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	mm	10 ³ m ³ /d	10 ³ m ³	m ³	m ³	%	m ³	m ³
126	2000/12/19	02:01:00	Open to flow on 48/64 or 19.05mm bean choke.													
127		02:05:00		2200	18											
128		02:10:00		1800	18											
129		02:15:00		1500	16											
130		02:30:00		900	16						0.990	0.270	100	0.000	0.000	0.270 29.638
131		02:40:00	Meter in service thru 15.88mm orifice.													
132		02:40:00				0	0.00	0		0.000	2.924					
133		02:45:00		800	4											
134		03:00:00		600	0	276	63.70	-12		0.000	2.924	1.284	0.284	100	0.000	0.000 0.294 30.132
135			Salinity = 17,778ppm ph=7.													
136		03:30:00		400	-4	138	35.83	-12		0.000	2.924	1.284	0.000		0.000	0.000 0.000 30.132
137		04:00:00		350	-8	89	25.38	-12		0.000	2.924	1.284	0.000		0.000	0.000 0.000 30.132
138		04:30:00		300	-2	48	18.41	-12		0.000	2.924	1.346	0.062	100	0.000	0.000 0.062 30.194
139		05:00:00		200	-2	28	11.94	-12		0.000	2.924	1.346	0.000		0.000	0.000 0.000 30.194
140			Salinity = 17,778ppm, ph = 7. Increased back pressure.													
141		05:30:00		1800	-10	97	1.99	-12		0.000	2.924	1.346	0.000		0.000	0.000 0.000 30.194
142		06:00:00		800	8	483	39.81	-12		0.000	2.924	1.729	0.383		0.000	0.000 0.383 30.577
143																
144			SUMMARY FOR DECEMBER 18TH.													
145			Cumulative hours flowed. = 13 hrs.													
146			Cumulative fluid Produced. = 6.967 m ³ .													
147			Fluid produced in last 12hrs. = 1.499 m ³ .													
148			Cumulative gas flared. = 2.343 10 ³ m ³ .													
149			Gas flared in last 12hrs. = 0.872 10 ³ m ³ .													
150			PRODUCTION SUMMARY FOR JOB.													
151			Hour flowed. = 21.3 hrs.													
152			Cumulative fluid. = 30.577m ³ . (100% H ₂ O).													
153			Cumulative gas. = 3.515 10 ³ m ³ .													

12/19/00 10:26 FAX 403 266 6032
 PARAMOUNT RES. FLR 39
 P. 04
 DEC-19-2000 09:00 PM

Paramount Resources Ltd
 I-02

FieldNotes

Field Measurements

	Date	Clock Time	Tubing C Choke1	Tubing Pres	Casing Temp	Static Pres	Diff1 Pres	Meter Temp	Gas1 Rate	Curr Meas Gas fld
	yyyy/mm/dd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa	°C	mm 10 ³ m ³ /d	10 ³ r n ³
96	2000/12/18	17:20:00								
97		17:20:00								
98										
99		17:30:00		200	8	103	31.85	-10	4.332	2.1
100		18:00:00		225	8	124	29.36	-8	4.336	2.1
101				Salinity = 17,778ppm, Ph=7.						
102		18:30:00		225	8	124	31.85	-10	4.543	2.1
103		18:00:00		200	8	124	31.35	-10	4.506	2.1
104				Salinity = 17,778ppm, ph =7.						
105		19:30:00		100	8	124	31.35	-10	4.506	2.1
106		19:45:00		Well stopped lifting fluid shut in to stop cock.						
107		19:45:00				0	0.00	0	0.00	0.000
108		19:45:00		50						
109		18:50:00		500						
110		18:55:00		1300						
111		20:00:00		1900						
112		20:15:00		3000						
113		20:30:00		3400						
114		20:45:00		3800						
115		21:00:00		4200						
116		21:30:00		4700						
117		22:00:00		5100						
118		22:30:00		5500						
119		23:00:00		5800						
120		23:30:00		6150						
121		23:59:59		6425						
122	2000/12/19	00:30:00		6750						
123		01:00:00		7000						
124		01:30:00		7200						
125		02:00:00		7400						

2000/12/18 06:05:00 To 2000/12/18 07:30:00			
Gas	0.000	Cum.	1.172 10 ³ m ³
Oil	0.000	Cum.	8.800 m ³
Water	0.000	Cum.	23.810 m ³

0006/013

Dec. 19 2000 07:48AM P2

PARAMOUNT RES. FLR 39

FAX NO. : 780-914-0045

12/19/00 10:26 FAX 403 266 6032

FROM : SOLID PRODUCTIONS

Paramount Resources Ltd
I-02

FieldNotes

Field Measurements

Para et al Mount Coty.
Formation: Mattson Sand.
Job Number: 328

Date	Clock	C Choke1	Tubing	Tubing	Casing	Static1	Diff1	Meter	Gas1	Cum.	Measured	Calc Inc	Calc Inc	Cum.	Calc Inc	BSW1		
			Pres	Temp	Pres	Pres	Pres	Temp	Orifice1	Rate	Gas1	Fld1 Vol	Fld1 Gai	BSW1	Oil Gai	Oil	BSW1 G	Water
yyyy/mm/dd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	m ³	m ³	%	m ³	m ³	m ³	
54	2000/12/16	13:30:00	Coiled tubing on location.															
55		16:30:00	Pressure test flow line to 10 Mpa. Pressure test good.															
56		16:35:00	Begn running in with coil.															
57		16:35:00	Fluid to surface. Start shipping to 400bbl.															
58		16:45:00										12.700	2.074	100	0.00%	0.00%	2.074	20.710
59		17:00:00										15.600	2.900	100	0.00%	0.00%	2.900	23.610
60		17:05:00	No fluid being produced.															
61		17:20:00	Coil having trouble. Well not flowing hard enough. Producing hydrates.															
62		18:30:00	Coil out of hole.															

2000/12/16 13:30:00 To 2000/12/17 08:00:00	0.000	Cum.	1.172	10 ³ m ³
Oil	0.000	Cum.	0.000	m ³
Water	4.971	Cum.	13.610	m ³

007/013

DEC. 19 2000 07:45AM P.5

PARAMOUNT RES. FLR 39

FAX NO. : 888-514-0045

12/19/00 10:27 FAX 403 266 6032

FROM : SOLID PRODUCTIONS

Paramount Resources Ltd
-02

FieldNotes Field Measurements

Para et al Mount Coty.
Formation: Mattson Sand.
Job Number: 328

	Clock	Tubing	Tubing	Casing	Static1	Diff1	Meter	Gas1	Cum.	Measured	Calc Inc	Calc Inc	Cum.	Calc Inc	BSW1		
Date	Time	C Choke1	Pres	Temp	Pres	Pres	Temp	Orifice1	Rate	Gas1	Fid1 Vol	Fid1 Gal	BSW1	Oil1 Gain	Oil1	BSW1 G	Water
yyyy/mm/dd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	°C	mm	10 ³ m ³ /d	10 ³ m ³	m ³	m ³	%	m ³	m ³	m ³	m ³
63	2000/12/17	08:00:00		5600													
64		09:00:00	Blow downtubing.														
65		09:10:00	Tubing at T.S.T.M. No fluid recovered.														
66		11:00:00	Wireline or location to tag sand top and fluid level.														
67		13:00:00	No sand too tagged. Fluid level at surface.														
68		16:00:00	Start steaming out vessel.														

2000/12/17 08:00:00 To 2000/12/18 07:30:00			
Gas	0.000	Cum.	1.172 10 ³ m ³
Oil	0.000	Cum.	0.000 m ³
Water	0.000	Cum.	23.610 m ³

008/013

Dec. 19 2000 07:50AM P4

PARAMOUNT RES. FLR 39

FAX NO. : 780-914-0045

12/19/00 10:27 FAX 403 266 6032

FROM : SOLID PRODUCTIONS

Paramount Resources Ltd
I-02

FieldNotes

Field Measurements

 Para et al Mount Coff.
 Formation: Mattson Sand
 Job Number: 328

	Date	Clock Time	Choke1	Tubing Pres	Tubing Temp	Casing Pres	Staff1 Pres	Diff1 Pres	Meter Temp	Gas1 Rate	Cum. Gas1	Measured Fld1	Calc Inc Vol	Calc Inc Fld1	Calc Inc Gai	BSW1 %	Calc Inc Oil1	Cum. Oil1	Calc Inc BSW1	BSW1 G	Water m ³	
	yyyy/mm/dd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	m ³	m ³	m ³	%	m ³	m ³	m ³	m ³	m ³	
6	2000/12/18	07:30:00																				
7		10:40:00																				
7		10:43:00		9953																		
7		10:43:00																				
7		10:45:00		1103																		
7		10:47:00																				
7		10:50:00		753																		
7		10:55:00																				
7		11:00:00					0	0.00	0	0.00	0.000	1.172										
7													0.000									
7		11:00:00		573	11		241	69.18	-12	15.88	8.450	1.172	0.825	0.825	100	0.000	0.000	0.825	24.435			
8		11:00:00																				
8		11:30:00		18.05	500	9	262	61.71	-10		8.145	1.345										
8		12:00:00		400		9	159	43.80	-12		5.769	1.490	1.662	1.037	100	0.000	0.000	1.037	25.472			
8																						
8		12:30:00		19.05	250	9	131	32.10	-8		4.612	1.599	2.347	0.485	100	0.000	0.000	0.485	25.957			
8		13:00:00		420		9	131	27.87	-8		4.283	1.691	2.932	0.585	100	0.000	0.000	0.585	26.542			
8																						
8		13:30:00		300		9	131	25.13	-11		4.082	1.778	3.310	0.378	100	0.000	0.000	0.378	26.920			
8		14:00:00		200		9	152	26.13	-9		4.330	1.866	3.697	0.387	100	0.000	0.000	0.387	27.307			
8																						
8		14:30:00		270		9	152	27.37	-10		4.445	1.957	4.091	0.394	100	0.000	0.000	0.394	27.701			
9		15:00:00		350		9	145	31.85	-11		4.754	2.063	4.250	0.159	100	0.000	0.000	0.159	27.860			
9																						
9		15:30:00		300		9	152	33.84	-11		4.976	2.155	4.651	0.401	100	0.000	0.000	0.401	28.261			
9		16:00:00		250		9	138	35.09	-11		4.933	2.258	4.812	0.161	100	0.000	0.000	0.161	28.422			
9																						
9		16:30:00		250		9	131	32.60	-11		4.677	2.358	4.974	0.162	100	0.000	0.000	0.162	28.584			
9		17:00:00		220		9	138	33.84	-11		4.840	2.457	5.137	0.163	100	0.000	0.000	0.163	28.747			
9																						
9		17:01:00																				

2000/12/18 07:30:00 To 2000/12/19 06:00:00
 Gas 1.751 Cum. 2.924 10³m³
 Oil 0.000 Cum. 0.000 m³
 Water 6.967 Cum. 38.877 m³

Paramount Resources Ltd
I-02

FieldNotes

Field Measurements

Para e il Mount Co ty.
Formation Wetson Sand.
Jct Number: 328

100	Date	Clock Time	Tubing C Choke1	Tubing Pres	Tubing Temp	Casing Pres	Static Pres	Diff1 Pres	Meter Temp	Orifice1	Gas1 Rate	Cum. Gas1	Measured Calc Inc		Calc Inc		Cum. Oil	Calc Inc BSW1	BSW1 Water	
													Fid1 Vol	Fid1 Gai	Oil Gtn	Oil BSW1				
	yyyy/mmdd	hh:mm:ss	mm	kPa(g)	°C	kPa(g)	kPa(g)	kPa	°C	mm	10 ³ m ³ /d	10 ³ m ³	m ³	m ³	%	m ³	m ³	m ³	m ³	
100	2000/12/18	17:20:00												5.238	0.101	100	0.000	0.000	0.101	28.848
101		17:20:00												0.000						
102																				
103		17:30:00		200	8		109	31.85	-10		4.332	2.559		0.012	0.012	100	0.000	0.000	0.012	28.860
104		18:00:00		225	8		124	29.36	-8		4.336	2.643		0.230	0.218	100	0.000	0.000	0.218	29.078
105				Salinity = 17,778ppm, Ph=7.																
106		18:30:00		225	8		124	31.85	-10		4.543	2.735		0.388	0.158	100	0.000	0.000	0.158	29.236
107		19:00:00		200	8		124	31.35	-10		4.506	2.830		0.523	0.135	100	0.000	0.000	0.135	29.371
108				Salinity = 17,778ppm, ph =7.																
109		19:30:00		100	8		124	31.35	-10		4.506	2.924		0.720	0.197	100	0.000	0.000	0.197	29.568
110		19:45:00		Wall stopped lifting fluid shut in to stop cock.																
111		19:45:00					0	0.00	0	0.00	0.000	2.924								
112		19:45:00		50																
113		19:50:00		500																
114		19:55:00		1300																
115		20:00:00		1500																
116		20:15:00		3000																
117		20:30:00		3400																
118		20:45:00		3500																
119		21:00:00		4200																
120		21:30:00		4700																
121		22:00:00		5100																
122		22:30:00		5500																
123		23:00:00		5800																
124		23:30:00		6150																
125		23:59:59		6425																
126	2000/12/19	00:30:00		6750																
127		01:00:00		7000																
128		01:30:00		7200																
129		02:00:00		7400										0.720	0.000		0.000	0.000	0.000	29.568

2000/12/18 07:30:00	to	2000/12/19 06:00:00
Gas	1741	Cum. 2.924 10 ³ m ³
Oil	0.000	Cum. 0.000 m ³
Water	6367	Cum. 30.577 m ³

010/013

PARAMOUNT RES. FLR 39

12/19/00 10:28 FAX 403 266 6032

DEC. 19 2000 07:52Hr. P5

FX NO. 780-314-0045

FROM SOLID PRODUCTIONS

Paramount Resources Ltd
1-02

FieldNotes

Field Measurements

Para et al Mount Goly.
Formation: Matson Sand.
Job Number: 328

	Date	Ckck Time	Tubing C Choke1 mm	Tubing Pres kPa(g)	Casing Temp °C	Static Pres kPa(g)	Diff1 Pres IPa	Meter Temp °C	Gas1 Rate 10 ³ m ³ /d	Cum. Gas1 10 ³ m ³	Measured Fld1 Vol m ³	Calc Inc Fld1 Gal m ³	Calc Inc BSW1 %	Calc Inc Oil Gain m ³	Cum. Oil m ³	Calc Inc BSW1 G m ³	3SW1 G Water m ³
130	2000/12/9	02:01:00	Open to flow on 48/64 or 19.05mm bean choke.														
131		02:05:00		2200	16												
132		02:00:00		1800	16												
133		02:05:00		1500	16												
134		02:30:00		900	16						0.990	0.270	100	0.000	0.000	0.270	29.838
135		02:00:00	Meter in service thru 15.88mm orifice.														
136		02:00:00				0	0.00	0	0.000	2.924							
137		02:05:00		800	4												
138		03:00:00		800	0	276	€3.70	-12	0.000	2.924	1.284	0.294	100	0.000	0.000	0.294	10.132
139			Salinity = 17,778ppm ph=7.														
140		03:30:00		400	-4	138	€5.83	-12	0.000	2.924	1.284	0.000		0.000	0.000	0.000	10.132
141		04:00:00		350	-8	69	€5.38	-12	0.000	2.924	1.284	0.000		0.000	0.000	0.000	10.132
142		04:30:00		300	-2	48	€6.41	-12	0.000	2.924	1.346	0.062	100	0.000	0.000	0.062	10.194
143		05:00:00		200	-2	28	€11.94	-12	0.000	2.924	1.346	0.000		0.000	0.000	0.000	10.194
144			Salinity = 17,778ppm, ph = 7. Increased back pressure.														
145		05:30:00		1600	-10	97	€1.99	-12	0.000	2.924	1.346	0.000		0.000	0.000	0.000	10.194
146		06:00:00		800	8	483	€9.81	-12	0.000	2.924	1.729	0.383		0.000	0.000	0.383	10.577
147																	
148			SUMMARY FOR DECEMBER 18TH.														
149			Cumulative hours flowed. = 13 hrs.														
150			Cumulative fluid Produced. = 8.967 m ³ .														
151			Fluid produced in last 12hrs. = 1.499 m ³ .														
152			Cumulative gas flared. = 2.343 10 ³ m ³ .														
153			Gas flared in last 12hrs. = 0.872 10 ³ m ³ .														
154			PRODUCTION SUMMARY FOR JOB.														
155			Hour flowed. = 21.3 hrs.														
156			Cumulative fluid. = 30.577m ³ . (100% H ₂ O).														
157			Cumulative gas = 3.515 10 ³ m ³ .														